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(54) **Photoresist compositions containing supercritical fluid fractionated polymeric binder resins**

(57) A photoresist composition comprising either an admixture or a reaction product of:

(a) at least one photosensitive compound selected

from the group consisting of a photoactive compound, photo acid generators, and mixtures thereof; and

(b) at least one polymeric binder resin fractionated with a supercritical fluid.



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EUROPEAN SEARCH REPORT

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EP 96 30 0988

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	WO-A-93 12055 (THE DOW CHEMICAL COMPANY) 24 June 1993 * page 19, line 10 - line 12 *	1	G03F7/004 G03F7/023
Y	* claims 1,15 *	2-4	
Y	--- EP-A-0 623 633 (OCG MICROELECTRONIC MATERIALS, INC.) 9 November 1994 * page 7, line 25 - line 33 * * page 17; example 23 * * page 21; example 31 *	2-4	
A	--- EP-A-0 615 163 (SHIN-ETSU CHEMICAL CO., LTD.) 14 September 1994 * page 6, line 55 - line 58; examples *	1-4	
A	--- PATENT ABSTRACTS OF JAPAN vol. 011, no. 349 (C-456), 14 November 1987 & JP-A-62 121754 (JAPAN SYNTHETIC RUBBER CO LTD), 3 June 1987, * abstract *	1-4	
A	--- GB-A-2 242 434 (TOYO ENGINEERING CORPORATION) 2 October 1991 * claim 4 *	4	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10 February 1997	Examiner J.-M. DUPART
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
P,A	<p>DATABASE INSPEC INSTITUTE OF ELECTRICAL ENGINEERS, STEVENAGE, GB Inspec No. 5059664, ALLEN R D ET AL: "Performance properties of near-monodisperse novolak resins" XP002024893 * abstract * & ADVANCES IN RESIST TECHNOLOGY AND PROCESSING XII, SANTA CLARA, CA, USA, 20-22 FEB. 1995, vol. 2438, ISSN 0277-786X, PROCEEDINGS OF THE SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, 1995, USA, pages 250-260, -----</p>	1-4	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
The present search report has been drawn up for all claims			
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